

## Gunnison Project- Historical Log

Hole Name :J-02

Date: 08 February 11

Segment Start Depth :0.00

Segment End Depth :178.03

End of hole Depth :1195.00

Depth	CoreLoss%	IF	V1	V2	PF	v	SG	AltnCode	FrmCode	RockCod	Description	TCU_adj	ASCU_adj	MO
25	25 50 75													
50														
75														
100														
125														
150														
175														

## Gunnison Project- Historical Log

Hole Name :J-02

Date: 08 February 11

Segment Start Depth :178.03

Segment End Depth :356.06

End of hole Depth :1195.00

Depth	CoreLoss%	IF	V1	V2	PF	v	SG	AltnCode	FrmCode	RockCod	Description	TCU_adj	ASCU_adj	MO
200	25 0 25													
225														
250														
275								nd	Qal	Qal	Alluvium and Gila conglomerate			
300														
325														
350														

## Gunnison Project- Historical Log

Hole Name :J-02

Date: 08 February 11

Segment Start Depth :356.06

Segment End Depth :534.08

End of hole Depth :1195.00

Depth	CoreLoss%	IF	V1	V2	PF	v	SG	AltnCode	FrmCode	RockCod	Description	TCU_adj	ASCU_adj	MO
375	25 0 25													
400														
425														
450								nd	Qal	Qal	Alluvium and Gila conglomerate			
475														
500														
525														

# Gunnison Project- Historical Log

Hole Name :J-02

Date: 08 February 11

Segment Start Depth :534.08

Segment End Depth :712.11

End of hole Depth :1195.00

Depth	CoreLoss%	IF	V1	V2	PF	v	SG	AltCode	FmCode	RockCod	Description	TCU_adj	ASCU_adj	MO
550	25 0 25							nd	Qal	Qal	Alluvium and Gila conglomerate			
								Tg	IPn	H	Slightly limey , very fine grained, very hard, dull greenish to dull brownish green altered shale. Alteration consists of garnetization, but also some idocrase and quartz veining . The last two feet rather pinkish to green colored and has calcite in fractures. some local Mn dendrites. Bedding from 30 at top(565) to 55 (580)at the bottom.			
575		BED	30	55	BED	20		Tgqd	IPn	M	White, medium grained, marble. Dark brown alteration bands every two to four feet averaging about one inch in thickness. They consist of brown talc, calcite, garnet, idocrase and traces of green and blue CuO. There is a 1.5 foot band at 575 containing no Cu. where these brown alteration zones are soft, they consist primarily of talc.			
600		BED	55	60	BED	20		nd	IPn	Tda	Gray with light gray to white mottling and streaking or banding (probably represents bedding). Very hard, tactite. Some local cherty zones. Calcite , green and blue oxide. Some garnet and idocrase in many of the fractures of this zone. Soft clay with blue Cu oxide in fractures from 582 to 583. some local Mn dendrites ( 610-619). slightly shaley from 615-619. Bedding? 55-60.			
625								IPn	M		Slightly finer than above. Fewer and narrower dark brown alteration patches which usually carry a trace of CuO. A three inch clay zone at 623.5. The alteration ribbons are invariable along a fracture or healed fracture which is usually represented by a calcite veinlet in the middle of the ribbon.			
650								Tg	IPn	H	Altered shale. Very fine grained, light gray, hard to very hard. Patchy garnet throughout. 634.5-636 Dark brown alteration.			
675		BED	55		BED	20		IPn	M		white, fine to medium coarse, some relatively minor 1/2 inch dark brown alteration ribbons. Some with a trace of CuO. 663-668 Fine grained soft to hard with much darker brown alteration-garnet, idocrase?, brown calcite and talc. Rare trace of CuO.			
700		BED	55		BED	20		nd	IPn	H	Hard, altered shale, very hard , very fine grained , light gray to creamy gray, garnet with minor idocrase? Scattered throughout. Dark brown alteration patches and ribbons , some very narrow quartz ribbons a rare trace of CuO. Bedding at 55 degrees.			
								IPn	M		Fine grained , medium soft to soft, light gray marble. Local minor brown alteration ribbons (1/2 inch)			
								IPn	H		Hard, very fine grained. Altered shale. very fine grained, light gray,. Parallel light and dark altered patches (garnet, tremolite calcite and wollastonite) and streaks parallel to bedding?) throughout.			
								IPn	M		Medium to coarse grained, white marble. Local relatively minor brown alteration patches and ribbons. Also local light gray altered hard shale zones up to four feet. The shale zones contain brown alteration patches and ribbons, are hard, silicated and may contain a very minor traces of CuO. Altered shale zones are from 702.5-704.5, 725-729, 730-732, 749-751, 758-759 and 766-770. This zone appears to have been broken and healed from 768 to 770. 772-774 altered shale , 770-794 marble, has local wollastonite patches throughout.			

## Gunnison Project- Historical Log

Hole Name :J-02

Date: 08 February 11

Segment Start Depth :712.11

Segment End Depth :890.14

End of hole Depth :1195.00

Depth	CoreLoss%	IF	V1	V2	PF	v	SG	AltnCode	FmCode	RockCod	Description	TCU_adj	ASCU_adj	MO
725	25 0 25													
750									IPn	M	Medium to coarse grained, white marble. Local relatively minor brown alteration patches and ribbons. Also local light gray altered hard shale zones up to four feet. The shale zones contain brown alteration patches and ribbons, are hard, silicated and may contain a very minor traces of CuO. Altered shale zones are from 702.5-704.5, 725-729, 730-732, 749-751, 758-759 and 766-770. This zone appears to have been broken and healed from 768 to 770. 772-774 altered shale , 770-794 marble, has local wollastonite patches throughout.			
775														
800		BED	≈					nd	IPn	H	Altered limey shale. Hard, very fine grained gray. Frequently has a streaked and mottled effect. Core is very hard silicified and silicated ( very fine grained , garnet tremolite?, wollastonite, idocrase?). Not unlike the previous shale zones.			
825														
850									IPn	M	Fine to medium grained, white and light gray marble. Marble seems more highly altered with wollastonite and tremolite?, local brown (talc) ribbons and patches. Usually with traces of CuO. 823and 824 traces of green and blue Cu O. 825-834 marble pinkish and hematite stained, broken and healed. 835-836 shale softer and less altered than above zones. 850-862 Marble highly altered with many hard and soft dark brown altered patches and zones ( talc), also tactite zones( garnet, diopside? wollastonite?, tremolite?). A trace of Cu O can usually be found in the dark brown zones.816-812 coarse crystalline marble. 825-827 Chert.			
875														

## Gunnison Project- Historical Log

Hole Name :J-02

Date: 08 February 11

Segment Start Depth :890.14

Segment End Depth :1068.17

End of hole Depth :1195.00

Depth	CoreLoss%	IF	V1	V2	PF	v	SG	AltnCode	FmCode	RockCod	Description	TCU_adj	ASCU_adj	MO
900	Z 5 0 Z 5													
925									IPn	M	Fine to medium grained, white and light gray marble. Marble seems more highly altered with wollastonite and tremolite?, local brown (talc) ribbons and patches. Usually with traces of CuO. 823and 824 traces of green and blue Cu O. 825-834 marble pinkish and hematite stained, broken and healed. 835-836 shale softer and less altered than above zones. 850-862 Marble highly altered with many hard and soft dark brown altered patches and zones ( talc), also tactite zones( garnet, diopside? wollastonite?, tremolite?). A trace of Cu O can usually be found in the dark brown zones.816-812 coarse crystalline marble. 825-827 Chert.			
950									IPn	Tg	Many brown alteration patches and zones. Some containing rhodochrosite and traces of CuO, some light creamy soft clay zones. Some zones of tactite? With dendritic Mn.			
975									IPn	M	Fine-grained , light gray to white. Slightly hard.			
nd									IPn	Tda	Light , gray , hard , fine to medium grained with black dendritic Mn, some minor specks of Cu O.			
1000									IPn	Twt	Altered marble. White, medium grained marble with wollastonite and tremolite.			
1025									IPn	Tda	Mineralized tactite. Fine-grained ,hard white and Tannish gray, very weakly limey. Weekly mineralized with disseminated Cu. The copper occurs as specks of chalcocite associated with green Cu O. some disseminated chalcopyrite noted in fractures, also associated with chalcocite and green Cu O noted , altered hematite, casts of chalcopyrite. Some local dendritic Mn. 1001-1019 tactite very weakly mineralization practically nil. 1037-1046 Soft, limey ,very fine grained , dark brown (talc) and pink zones, this may represent an altered shale. Cu mineralization practically nil.			
1050									IPn	H	Altered shale, very fine-grained ,limey, brown and gray altered zones, hard to medium soft. Similar to altered shale zones above. Most of the brown patches and zones contain a trace of Cu O. Calcite as fractures fillings.			

# Gunnison Project- Historical Log

Hole Name :J-02

Date: 08 February 11

Segment Start Depth :1068.17

Segment End Depth :1246.19

End of hole Depth :1195.00

Depth	CoreLoss%	IF	V1	V2	PF	v	SG	AltnCode	FrnCode	RockCod	Description	TCU_adj	ASCU_adj	MO
1075	ZS OS ZS								IPn	Tda	Altered shale, very fine-grained ,limey, brown and gray altered zones, hard to medium soft. Similar to altered shale zones above. Most of the brown patches and zones contain a trace of Cu O. Calcite as fractures fillings.			
1100									IPn	H	Weakly mineralized tactite. Fine grained white and Tannish gray. Hard, very weakly mineralization tactite. Mineralization as specks of chalcocite usually with a green Cu O halo.			
1125									IPn	H	Altered limey shale. Very fine grained , brown and light gray medium soft to soft. Locally mottled in appearance, altered limey shale. Some minor Cu O staining in fractures.			
1150								nd	IPn	Tda	Slightly pinkish, white, soft, fine grained weakly altered marble.			
1175									IPn	Tda	Altered oxidized marble? 1125-1139 Broken and healed brecciated limey zone. Much pink brecciated limey. Much pink, brown and red iron-staining , mostly light brown limonite in fractures. Much if the brown material in vugs lined with calcite. 1139-1160 Core is white and gray fine grained , relatively soft light brown limonite many fractures ( but not nearly as extensive as above), altered marble. some healed fractures filled with calcite, some calcite lined vugs. 1160-1164 zone appears to be white marble fragments surrounded by dark brown alteration material in the interstices. this entire zone has only weakly local CuO staining and no sulfides.			
1200									IPn	Tda	Marble highly altered with patchy calc silicates(tremolite?) and wollastonite) giving core a brecciated to conglomerated appearance. Core practically barren. 1183-1188 core weakly disseminated with chalcocite specks.			
1225									IPn	M	Fine to medium grained , weakly altered vuggy marble. Vugs lined with calcite. EOH			

**Drill Log: K-06**

Easting: 535763.48  
 Northing: 394675.78  
 Datum/Zone: AZSP\_EZ\_NAD27  
 Survey Method: GPS

Length: 955  
 Azimuth: 0  
 Dip: -90  
 Elevation: 4802.5

Project: Gunnison  
 Location: North Star  
 Claim Owner:

Drill Started:  
 Drill Completed:  
 Core Size (ft):  
 Contractor:

GeoLogged By:  
 TechLogged By:

Comments:

1 of 13

Depth	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Geology					Assay					SG/Magus		Fracture Mapping						
					Value	Fm	Rock	Alt	Lithology	Description	Sample ID	From	To	CuT %	CuAS %	CuN %	Mo %	SG	Magus	N.M.F.C.	N.M.F.O.	N.O.F.C.	N.O.O.O
50.0	50.0	50.0	22.5		45.0	67.5			Qal	Qal	K-6-3060	0	263	-	-	-	-	-	-	3.5	9.8	3.7	13.8
50.0	50.0	50.0	22.5		45.0	67.5			nd											27.6			

Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

Drill Started:  
Drill Completed:  
Core Size (ft):  
Contractor:

**GeoLogged By:**

## **Comments:**

2 of 13

Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

**Drill Started:**  
**Drill Completed:**  
**Core Size (ft):**  
**Contractor:**

**GeoLogged By:**

### **Comments:**

3 of 13

## Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

Drill Started:  
Drill Completed:  
Core Size (ft):  
Contractor:

**TechLogged By:**

### **Comments:**

4 of 13

Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

**Drill Started:**  
**Drill Completed:**  
**Core Size (ft):**  
**Contractor:**

**TechLogged By:**

## **Comments:**

5 of 13

## Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

Drill Started:  
Drill Completed:  
Core Size (ft):  
Contractor:

TechLogged By:

## Comments:

6 of 13

Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

**Drill Started:**  
**Drill Completed:**  
**Core Size (ft):**  
**Contractor:**

**TechLogged By:**

TechLogged By:

## **Comments:**

7 of 13

## Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

Drill Started:  
Drill Completed:  
Core Size (ft):  
Contractor:

**GeoLogged By:**

## **Comments:**

8 of 13

## Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

Drill Started:  
Drill Completed:  
Core Size (ft):  
Contractor:

**GeoLogged By:**

## **Comments:**

9 of 13

## Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

Drill Started:  
Drill Completed:  
Core Size (ft):  
Contractor:

**GeoLogged By:**

## **Comments:**

10 of 13

Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

**Drill Started:**  
**Drill Completed:**  
**Core Size (ft):**  
**Contractor:**

**GeoLogged By:**

### **Comments:**

11 of 13

## Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

Drill Started:  
Drill Completed:  
Core Size (ft):  
Contractor:

**GeoLogged By:**

## **Comments:**

12 of 13

## Drill Log: K-06

**Easting:** 535763.48  
**Northing:** 394675.78  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** GPS

**Length:** 955  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4802.5

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:**

Drill Started:  
Drill Completed:  
Core Size (ft):  
Contractor:

TechLogged By:

## **Comments:**

13 of 13

## Drill Log: NSD-031

**Easting:** 537220.355  
**Northing:** 395445.775  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** DGPS

**Length:** 1008  
**Azimuth:**  
**Dip:**  
**Elevation:** 4770.243

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** State Mining Lease

**Drill Started:** 5/12/2012  
**Drill Completed:** 5/16/2012  
**Core Size (ft):**  
**Contractor:** Godbe Drilling LLC

**GeoLogged By:**  
Je. Bickel

**Comments:** PVC casing in hole

1 of 14

## Drill Log: NSD-031

**Easting:** 537220.355  
**Northing:** 395445.775  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** DGPS

**Length:** 1008  
**Azimuth:**  
**Dip:**  
**Elevation:** 4770.243

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** State Mining Lease

**Drill Started:** 5/12/2012  
**Drill Completed:** 5/16/2012  
**Core Size (ft):**  
**Contractor:** Godbe Drilling LLC

**GeoLogged By:**  
Je. Bickel

**Comments:** PVC casing in hole

2 of 14

## Drill Log: NSD-031

Easting: 537220.355  
 Northing: 395445.775  
 Datum/Zone: AZSP\_EZ\_NAD27  
 Survey Method: DGPS

Length: 1008  
 Azimuth:  
 Dip:  
 Elevation: 4770.243

Project: Gunnison  
 Location: North Star  
 Claim Owner: State Mining Lease

Drill Started: 5/12/2012  
 Drill Completed: 5/16/2012  
 Core Size (ft):  
 Contractor: Godbe Drilling LLC

GeoLogged By:  
 Je. Bickel  
 TechLogged By:

Comments: PVC casing in hole

3 of 14

Depth	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Geology						Assay						SG/Magus		Fracture Mapping				
					Value	Fm	Rock	Alt	Lithology	Description	Sample ID	From	To	CuT %	CuAS %	CuEN %	Mn %	SG	MagSus	N.M.F.C.	N.M.F.O.	N.O.F.C.	N.O.I.O
155	50				22.5															9.	18.	-25.	-50.
160	100				45																		
165					67.5																		
170																							
175																							
180																							
185																							
190																							
195																							
200																							
205																							
210																							
215																							
220																							

Qag Qal 5% mixed lithics

## Drill Log: NSD-031

Easting: 537220.355  
 Northing: 395445.775  
 Datum/Zone: AZSP\_EZ\_NAD27  
 Survey Method: DGPS

Length: 1008  
 Azimuth:  
 Dip:  
 Elevation: 4770.243

Project: Gunnison  
 Location: North Star  
 Claim Owner: State Mining Lease

Drill Started: 5/12/2012  
 Drill Completed: 5/16/2012  
 Core Size (ft):  
 Contractor: Godbe Drilling LLC

GeoLogged By:  
 Je. Bickel  
 TechLogged By:

Comments: PVC casing in hole

4 of 14

Depth	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Geology						Assay						SG/Magus		Fracture Mapping				
					Value	Fm	Rock	Alt	Lithology	Description	Sample ID	From	To	CuT %	CuAS %	CuEN %	Mn %	SG	Magus	N.M.F.C.	N.M.F.O.	N.O.F.C.	N.O.I.O
230	50				22.5															9.	18.	-25.	-50.
235	100				45																		
240					67.5																		
245																							
250																							
255																							
260																							
265																							
270																							
275																							
280																							
285																							
290																							
295																							

Qag Qal 5% mixed lithics

**Drill Log: NSD-031**

**Easting:** 537220.355  
**Northing:** 395445.775  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** DGPS

**Length:** 1008  
**Azimuth:**  
**Dip:**  
**Elevation:** 4770.243

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** State Mining Lease

**Drill Started:** 5/12/2012  
**Drill Completed:** 5/16/2012  
**Core Size (ft):**  
**Contractor:** Godbe Drilling LLC

**GeoLogged By:**  
Je. Bickel  
**TechLogged By:**

**Comments:** PVC casing in hole

5 of 14

Depth	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Geology						Assay						SG/Magus		Fracture Mapping				
					Value	Fm	Rock	Alt	Lithology	Description	Sample ID	From	To	CuT %	CuAS %	CuEN %	Mn %	SG	MagSus	N.M.F.C.	N.M.F.O.	N.O.F.C.	N.O.I.O
305	50				-22.5	-45	-67.5													9.	18.	-25.	-50.
310	100																						
315																							
320																							
325																							
330																							
335																							
340																							
345																							
350																							
355																							
360																							
365																							
370																							

Qag Qal 5% mixed lithics

## Drill Log: NSD-031

Easting: 537220.355  
 Northing: 395445.775  
 Datum/Zone: AZSP\_EZ\_NAD27  
 Survey Method: DGPS

Length: 1008  
 Azimuth:  
 Dip:  
 Elevation: 4770.243

Project: Gunnison  
 Location: North Star  
 Claim Owner: State Mining Lease

Drill Started: 5/12/2012  
 Drill Completed: 5/16/2012  
 Core Size (ft):  
 Contractor: Godbe Drilling LLC

GeoLogged By:  
 Je. Bickel  
 TechLogged By:

Comments: PVC casing in hole

6 of 14

Depth	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Geology						Assay						SG/Magus		Fracture Mapping				
					Value	Fm	Rock	Alt	LithologyDescription		Sample ID	From	To	CuT %	CuAS %	CuN %	Mn %	SG	Magus	N.M.F.C.	N.M.F.O.	N.O.F.C.	N.O.I.O
380	50				22.5				Qag	Qal										9.	18.		
385	100				45															25.	50.		
390					67.5															9.5	19.		
395																				40.	80.		
400									nd	nd													
405																							
410																							
415																							
420	72.9	14.5	8	2	14.5	-6.6	7		Me	M									2.45	0.2			
425	84.4	4								Tlg									2.76	0.1			
430	79.3	7	3.17	2	BC																		
435	FLT	G																					
440	80	0																					
445	65.8	9.17																					

Coarse grained white marble with local brown garnet veins 50-70 degrees TCA. Bottom 3 foot of section is pure brown garnetite. Garnet veins have black clay selvages.

## Drill Log: NSD-031

Easting: 537220.355  
 Northing: 395445.775  
 Datum/Zone: AZSP\_EZ\_NAD27  
 Survey Method: DGPS

Length: 1008  
 Azimuth:  
 Dip:  
 Elevation: 4770.243

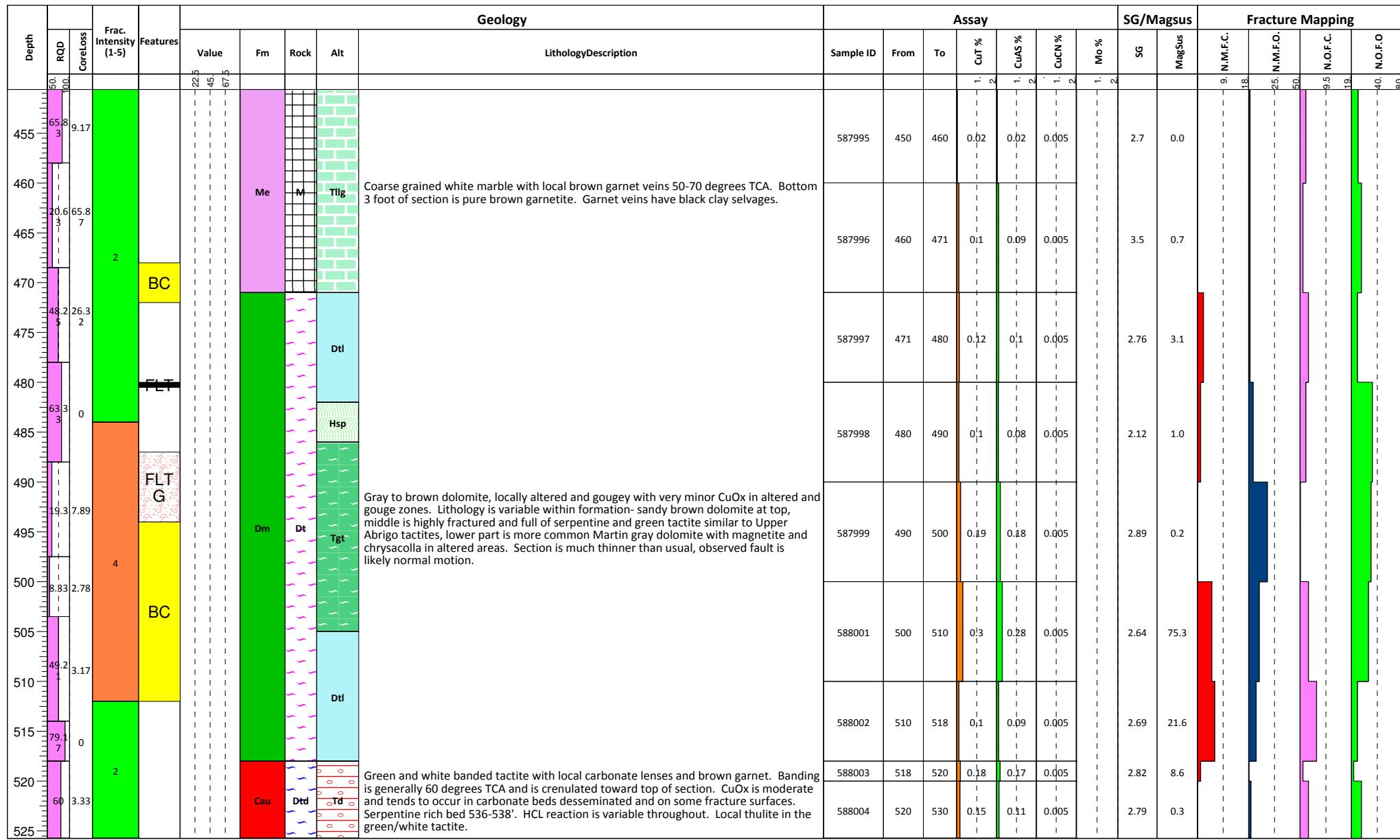
Project: Gunnison  
 Location: North Star  
 Claim Owner: State Mining Lease

Drill Started: 5/12/2012  
 Drill Completed: 5/16/2012  
 Core Size (ft):  
 Contractor: Godbe Drilling LLC

GeoLogged By:  
 Je. Bickel  
 TechLogged By:

Comments: PVC casing in hole

7 of 14



## Drill Log: NSD-031

Easting: 537220.355  
 Northing: 395445.775  
 Datum/Zone: AZSP\_EZ\_NAD27  
 Survey Method: DGPS

Length: 1008  
 Azimuth:  
 Dip:  
 Elevation: 4770.243

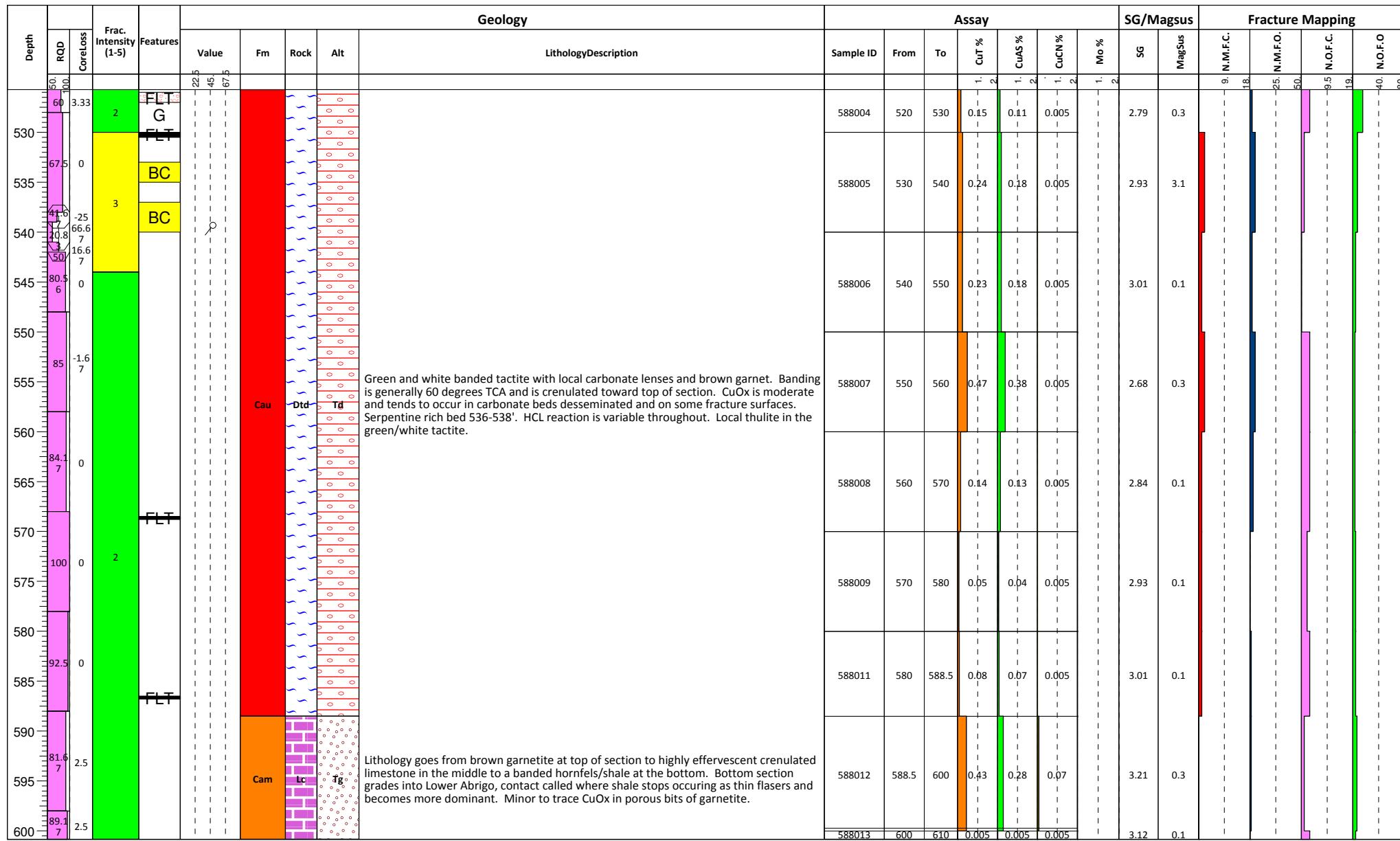
Project: Gunnison  
 Location: North Star  
 Claim Owner: State Mining Lease

Drill Started: 5/12/2012  
 Drill Completed: 5/16/2012  
 Core Size (ft):  
 Contractor: Godbe Drilling LLC

GeoLogged By:  
 Je. Bickel  
 TechLogged By:

Comments: PVC casing in hole

8 of 14



## Drill Log: NSD-031

Easting: 537220.355  
 Northing: 395445.775  
 Datum/Zone: AZSP\_EZ\_NAD27  
 Survey Method: DGPS

Length: 1008  
 Azimuth:  
 Dip:  
 Elevation: 4770.243

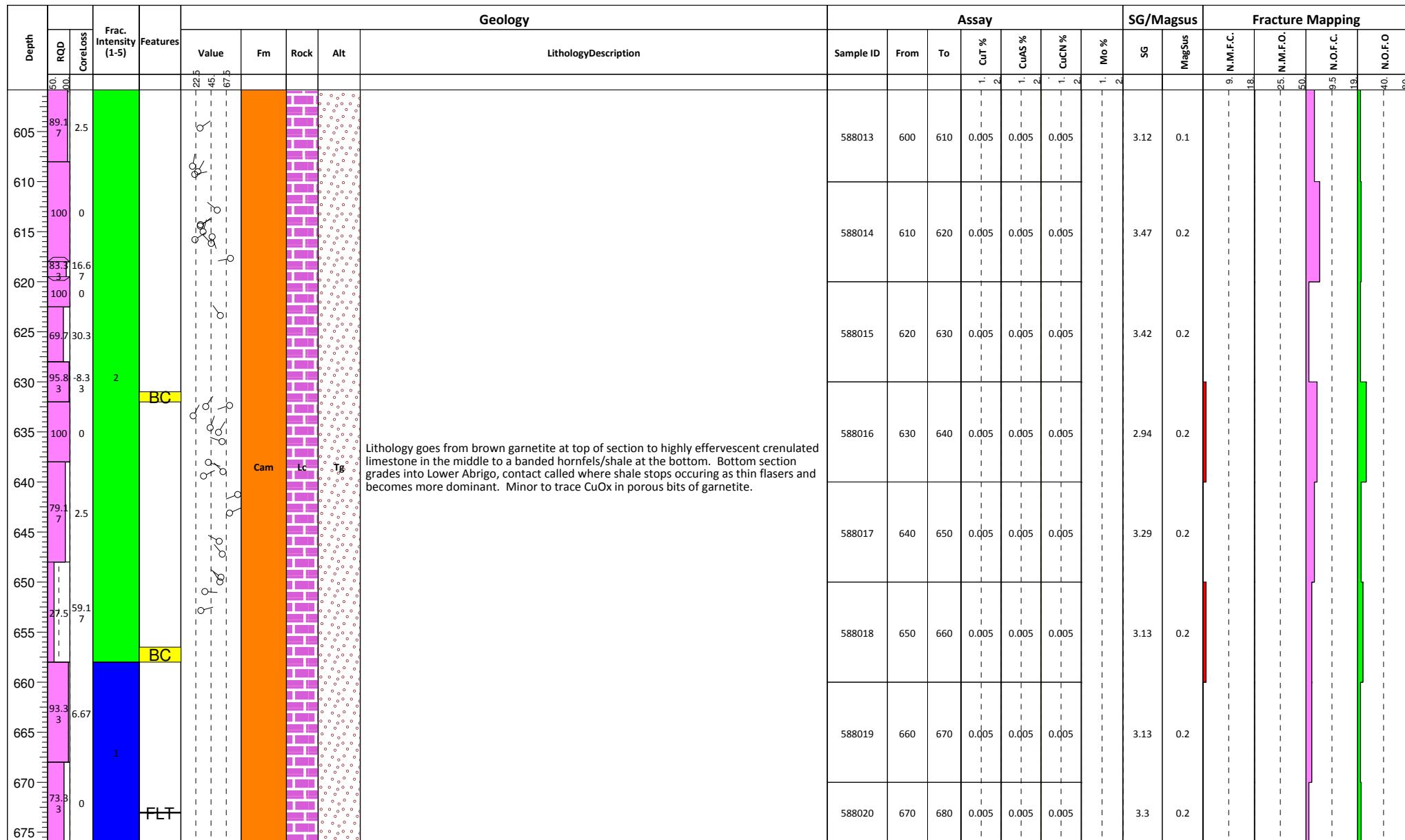
Project: Gunnison  
 Location: North Star  
 Claim Owner: State Mining Lease

Drill Started: 5/12/2012  
 Drill Completed: 5/16/2012  
 Core Size (ft):  
 Contractor: Godbe Drilling LLC

GeoLogged By:  
 Je. Bickel  
 TechLogged By:

Comments: PVC casing in hole

9 of 14



## Drill Log: NSD-031

Easting: 537220.355  
 Northing: 395445.775  
 Datum/Zone: AZSP\_EZ\_NAD27  
 Survey Method: DGPS

Length: 1008  
 Azimuth:  
 Dip:  
 Elevation: 4770.243

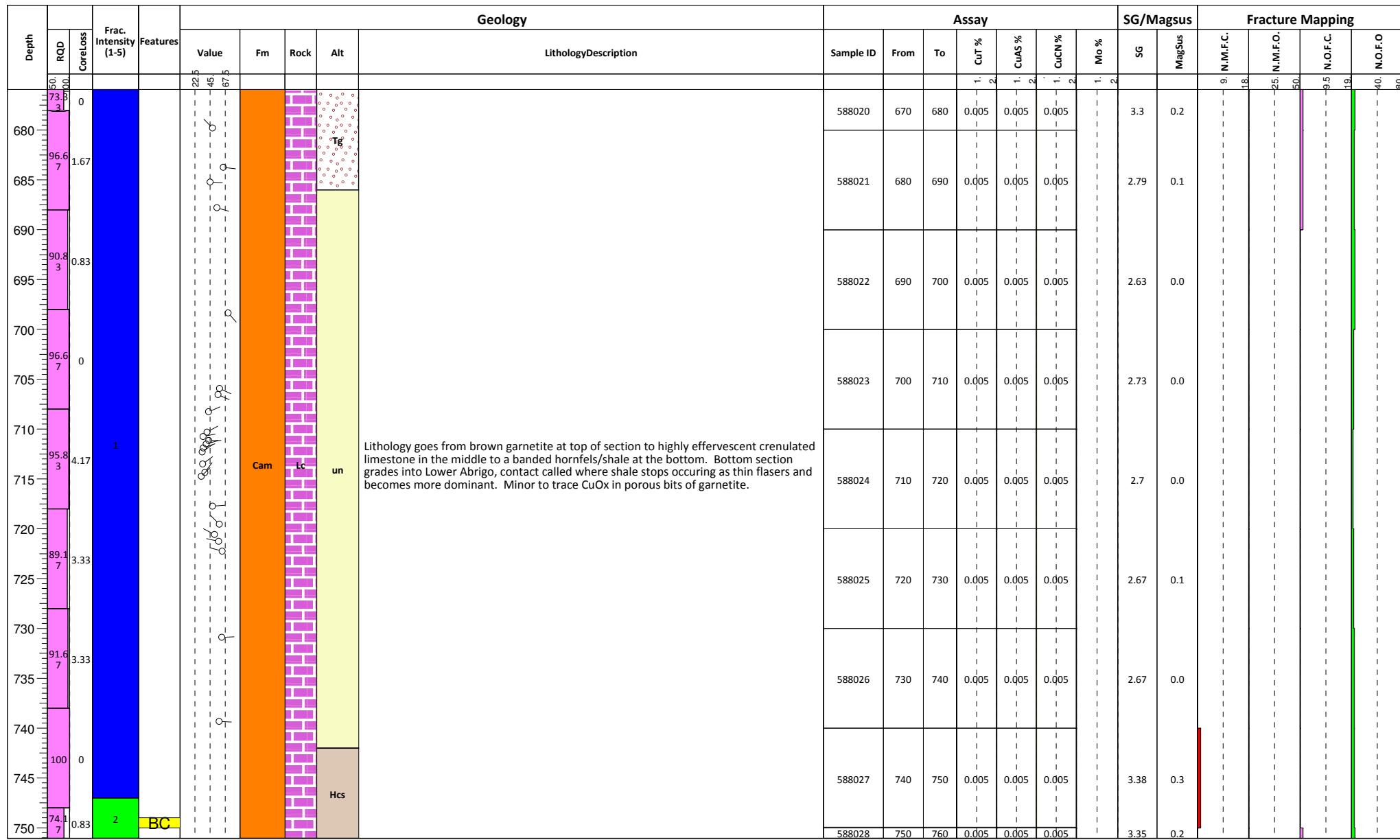
Project: Gunnison  
 Location: North Star  
 Claim Owner: State Mining Lease

Drill Started: 5/12/2012  
 Drill Completed: 5/16/2012  
 Core Size (ft):  
 Contractor: Godbe Drilling LLC

GeoLogged By:  
 Je. Bickel  
 TechLogged By:

Comments: PVC casing in hole

10 of 14



## Drill Log: NSD-031

**Easting:** 537220.355  
**Northing:** 395445.775  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** DGPS

**Length:** 1008  
**Azimuth:**  
**Dip:**  
**Elevation:** 4770.243

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** State Mining Lease

**Drill Started:** 5/12/2012  
**Drill Completed:** 5/16/2012  
**Core Size (ft):**  
**Contractor:** Godbe Drilling LLC

**GeoLogged By:**  
Je. Bickel

**Comments:** PVC casing in hole

11 of 14

Drill Log: NSD-031

**Easting:** 537220.355  
**Northing:** 395445.775  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** DGPS

**Length:** 1008  
**Azimuth:**  
**Dip:**  
**Elevation:** 4770.243

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** State Mining Lease

**Drill Started:** 5/12/2012  
**Drill Completed:** 5/16/2012  
**Core Size (ft):**  
**Contractor:** Godbe Drilling LLC

**GeoLogged By:**  
Je. Bickel

**Comments:** PVC casing in hole

12 of 14

## Drill Log: NSD-031

Easting: 537220.355  
 Northing: 395445.775  
 Datum/Zone: AZSP\_EZ\_NAD27  
 Survey Method: DGPS

Length: 1008  
 Azimuth:  
 Dip:  
 Elevation: 4770.243

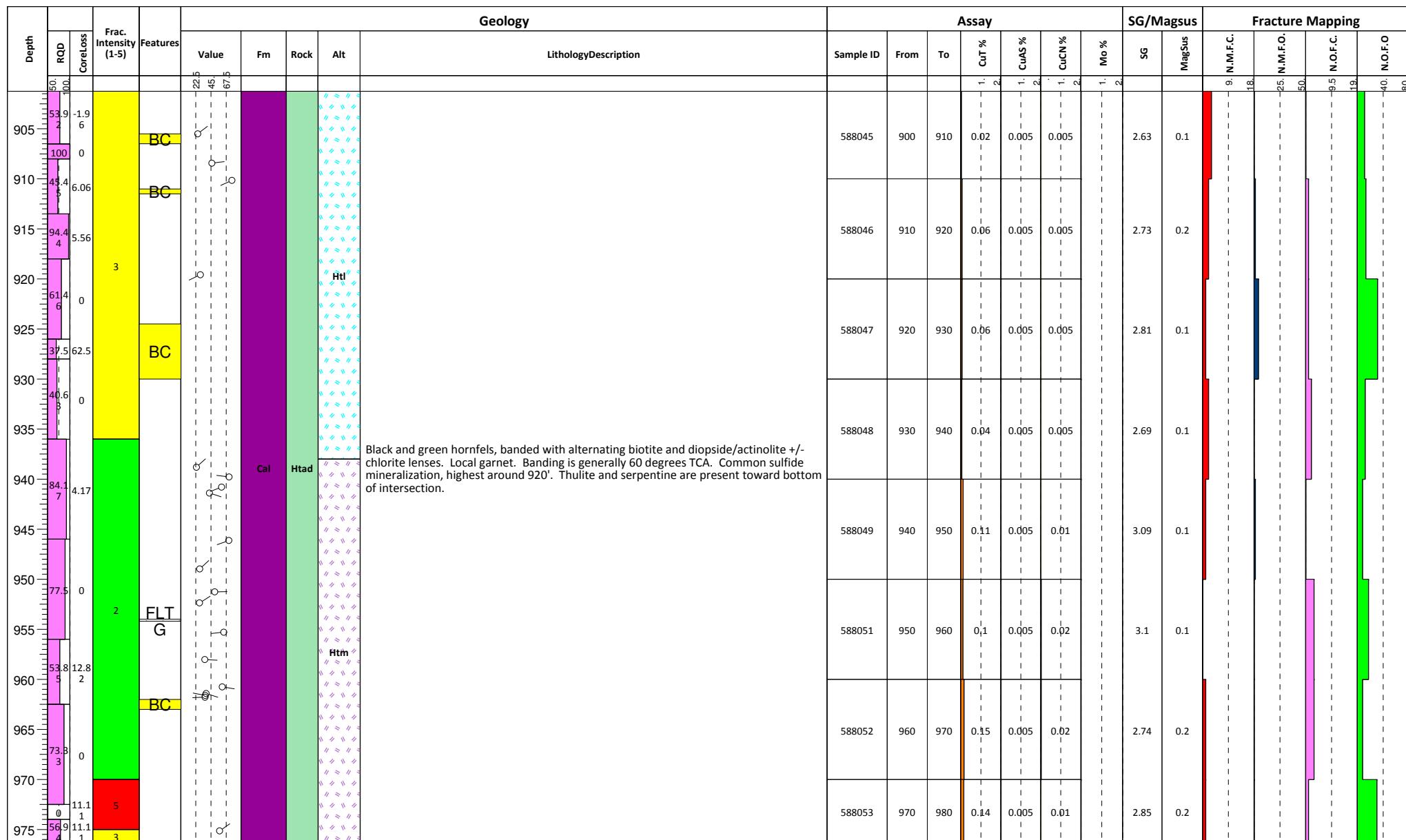
Project: Gunnison  
 Location: North Star  
 Claim Owner: State Mining Lease

Drill Started: 5/12/2012  
 Drill Completed: 5/16/2012  
 Core Size (ft):  
 Contractor: Godbe Drilling LLC

GeoLogged By:  
 Je. Bickel  
 TechLogged By:

Comments: PVC casing in hole

13 of 14



Drill Log: NSD-031

**Easting:** 537220.355  
**Northing:** 395445.775  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** DGPS

**Length:** 1008  
**Azimuth:**  
**Dip:**  
**Elevation:** 4770.243

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** State Mining Lease

**Drill Started:** 5/12/2012  
**Drill Completed:** 5/16/2012  
**Core Size (ft):**  
**Contractor:** Godbe Drilling LLC

**GeoLogged By:**  
Je. Bickel

**Comments:** PVC casing in hole

14 of 14

## Drill Log: NSD-037

**Easting:** 538100  
**Northing:** 395500  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1284.4  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4785

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/20/2014  
**Drill Completed:** 10/27/2014  
**Core Size (ft):** HQ(59.2),UNKNOWN(40.8)  
**Contractor:** Godbe Drilling LLC  
**-Collar Contractor :** BJ

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**  
Guillermo

## Comments:

1 of 18

## Drill Log: NSD-037

**Easting:** 538100  
**Northing:** 395500  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1284.4  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4785

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/20/2014  
**Drill Completed:** 10/27/2014  
**Core Size (ft):** HQ(59.2),UNKNOWN(40.8)  
**Contractor:** Godbe Drilling LLC  
**-Collar Contractor :** BJ

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**  
Guillermo

## Comments:

2 of 18

## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor : BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

3 of 18

Depth	Geology										Assay						SG/Magsus				Fracture Mapping							
	50.	100.	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Value	Fm	Rock	Alt	Lithology	Description	Core Sample ID	From	To	Cu%	CuAs%	CuCN%	Mo%	Geo Sample ID	From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.	N.F.O.
155							22.5																					
160							45.5																					
165							67.5																					
170																												
175																												
180																												
185																												
190																												
195																												
200																												
205																												
210																												
215																												
220																												

Qal Qal  
Chips composed of dominantly white granitic material with local areas of mixed shales, limestone, and quartzite, esp from 40-140' and 400-520'. Strong reaction with HCL from 400-520'

## Drill Log: NSD-037

**Easting:** 538100  
**Northing:** 395500  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1284.4  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4785

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/20/2014  
**Drill Completed:** 10/27/2014  
**Core Size (ft):** HQ(59.2),UNKNOWN(40.8)  
**Contractor:** Godbe Drilling LLC  
**-Collar Contractor :** BJ

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**  
Guillermo

## Comments:

4 of 18

## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor : BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

5 of 18

Depth	Geology										Assay						SG/Magsus				Fracture Mapping						
	50.	100.	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Value	Fm	Rock	Alt	Lithology	Description	Core Sample ID	From	To	Cu%	CuAs%	CuCN%	Mo%	Geo Sample ID	From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.
300							22.5	45.	67.5		Qal	Qal															
305																											
310																											
315																											
320																											
325																											
330																											
335																											
340																											
345																											
350																											
355																											
360																											
365																											
370																											

Chips composed of dominantly white granitic material with local areas of mixed shales, limestone, and quartzite, esp from 40-140' and 400-520'. Strong reaction with HCL from 400-520'

## Drill Log: NSD-037

**Easting:** 538100  
**Northing:** 395500  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1284.4      **Project:** Gunnison  
**Azimuth:** 0      **Location:** North Star  
**Dip:** -90      **Claim Owner:** Connie Johnson  
**Elevation:** 4785

**Drill Started:** 10/20/2014  
**Drill Completed:** 10/27/2014  
**Core Size (ft):** HQ(59.2),UNKNOWN(40.8)  
**Contractor:** Godbe Drilling LLC  
**-Collar Contractor :** BJ

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**  
Guillermo

## Comments:

6 of 18

## Drill Log: NSD-037

**Easting:** 538100  
**Northing:** 395500  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1284.4  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4785

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/20/2014  
**Drill Completed:** 10/27/2014  
**Core Size (ft):** HQ(59.2),UNKNOWN(40.8)  
**Contractor:** Godbe Drilling LLC  
**-Collar Contractor :** BJ

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**  
Guillermo

## Comments:

7 of 18

## Drill Log: NSD-037

**Easting:** 538100  
**Northing:** 395500  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1284.4  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4785

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/20/2014  
**Drill Completed:** 10/27/2014  
**Core Size (ft):** HQ(59.2),UNKNOWN(40.8)  
**Contractor:** Godbe Drilling LLC  
**-Collar Contractor :** BJ

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**  
Guillermo

## Comments

8 of 18

## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

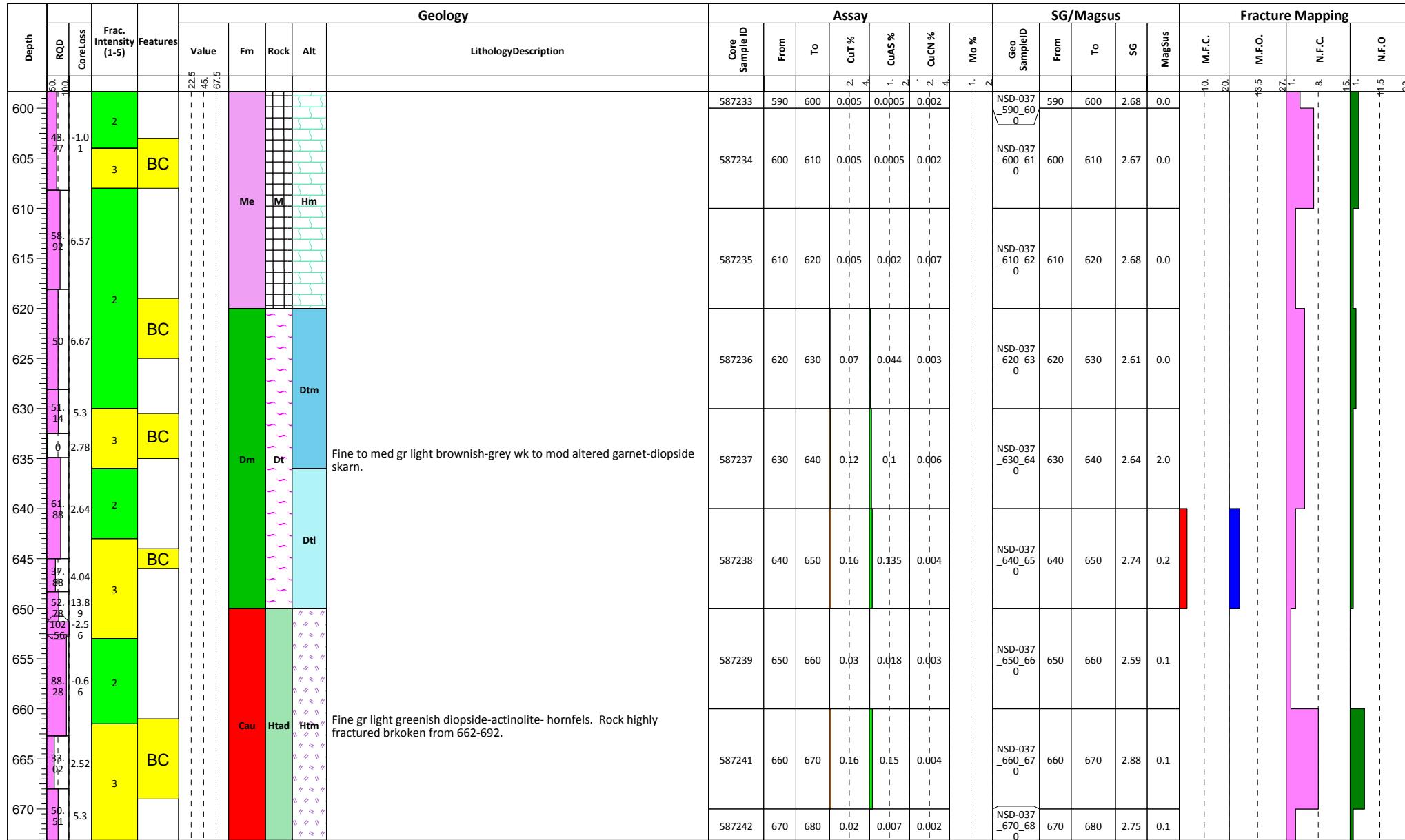
Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor: BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

9 of 18



## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

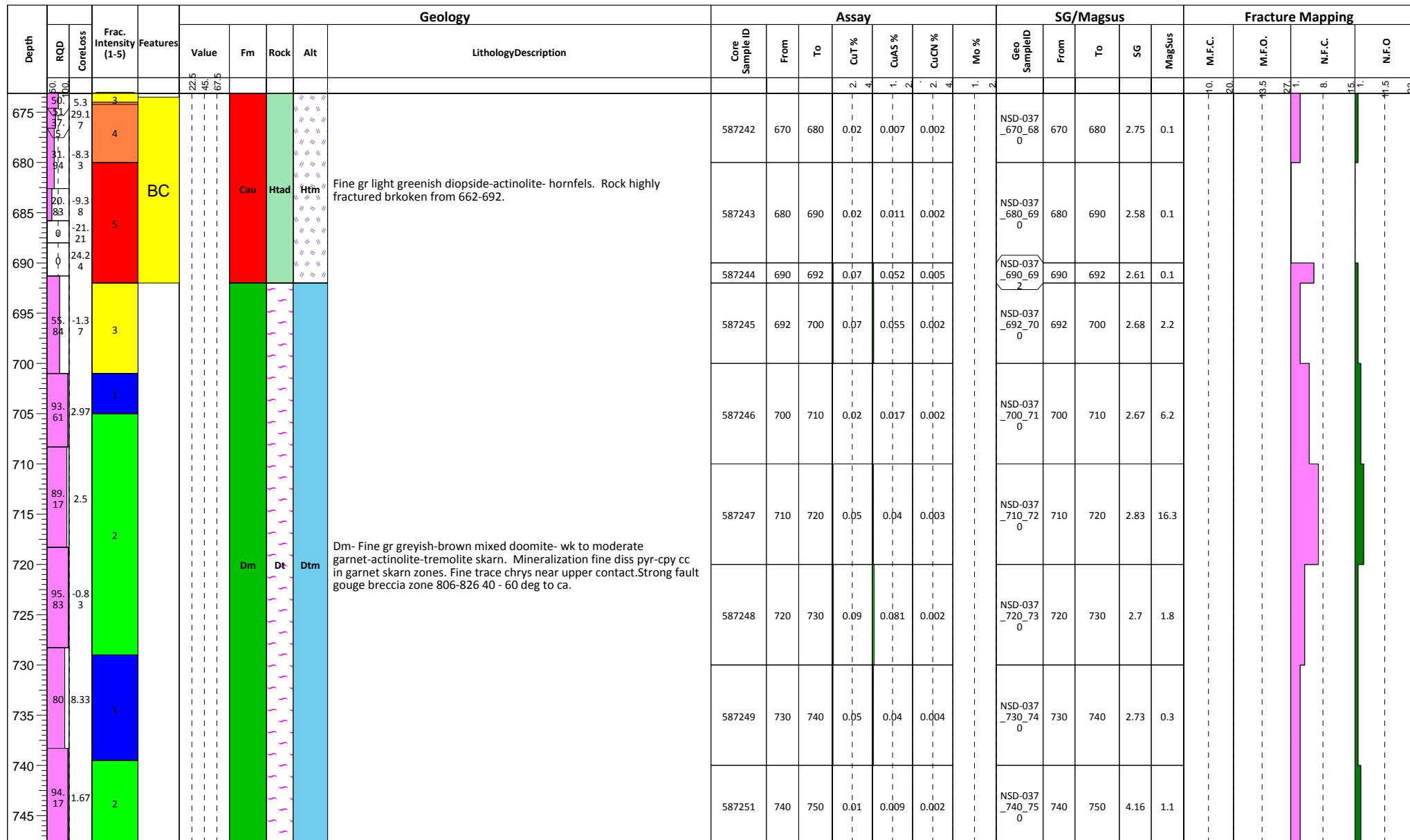
Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor: BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

10 of 18



## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

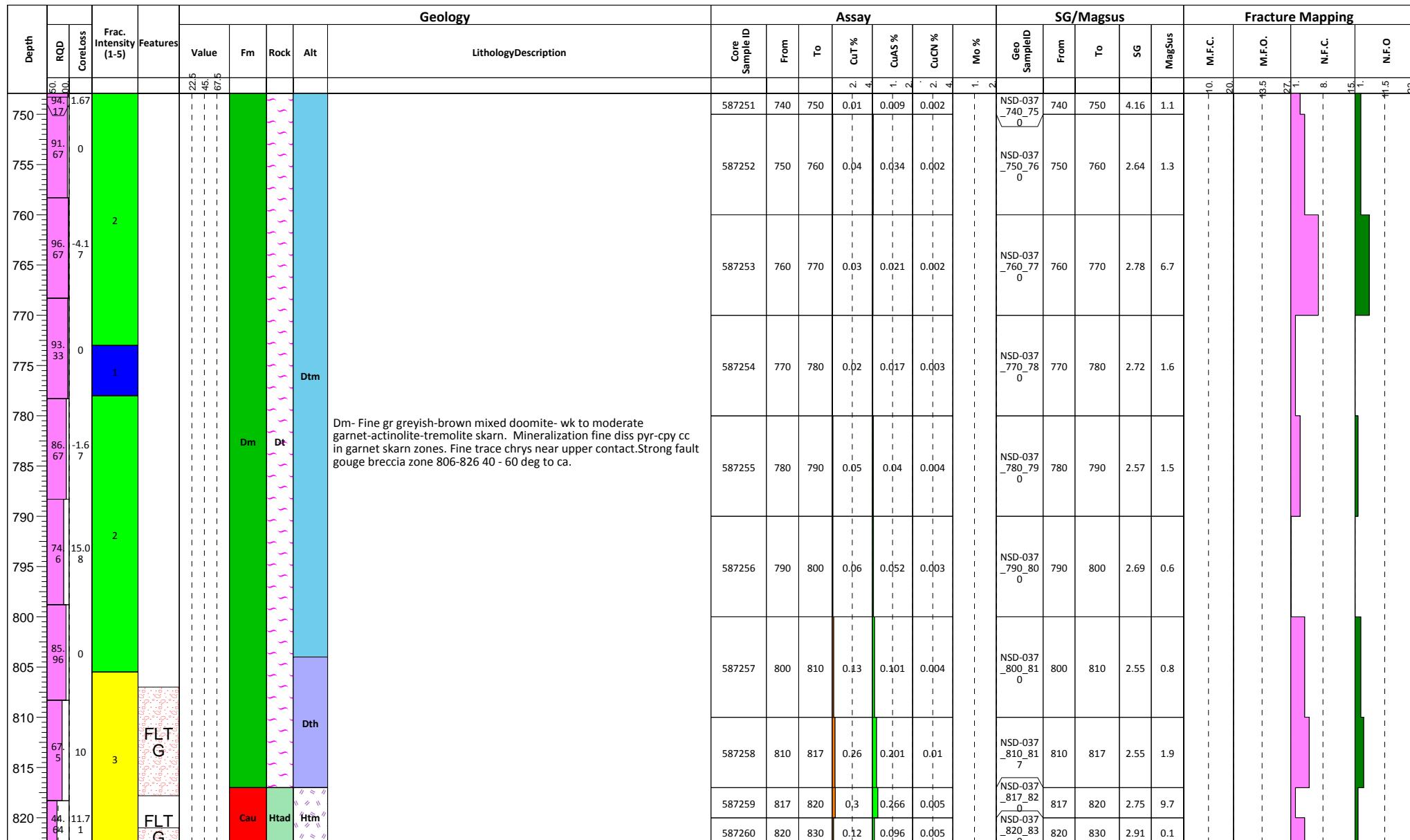
Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor: BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

11 of 18



## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

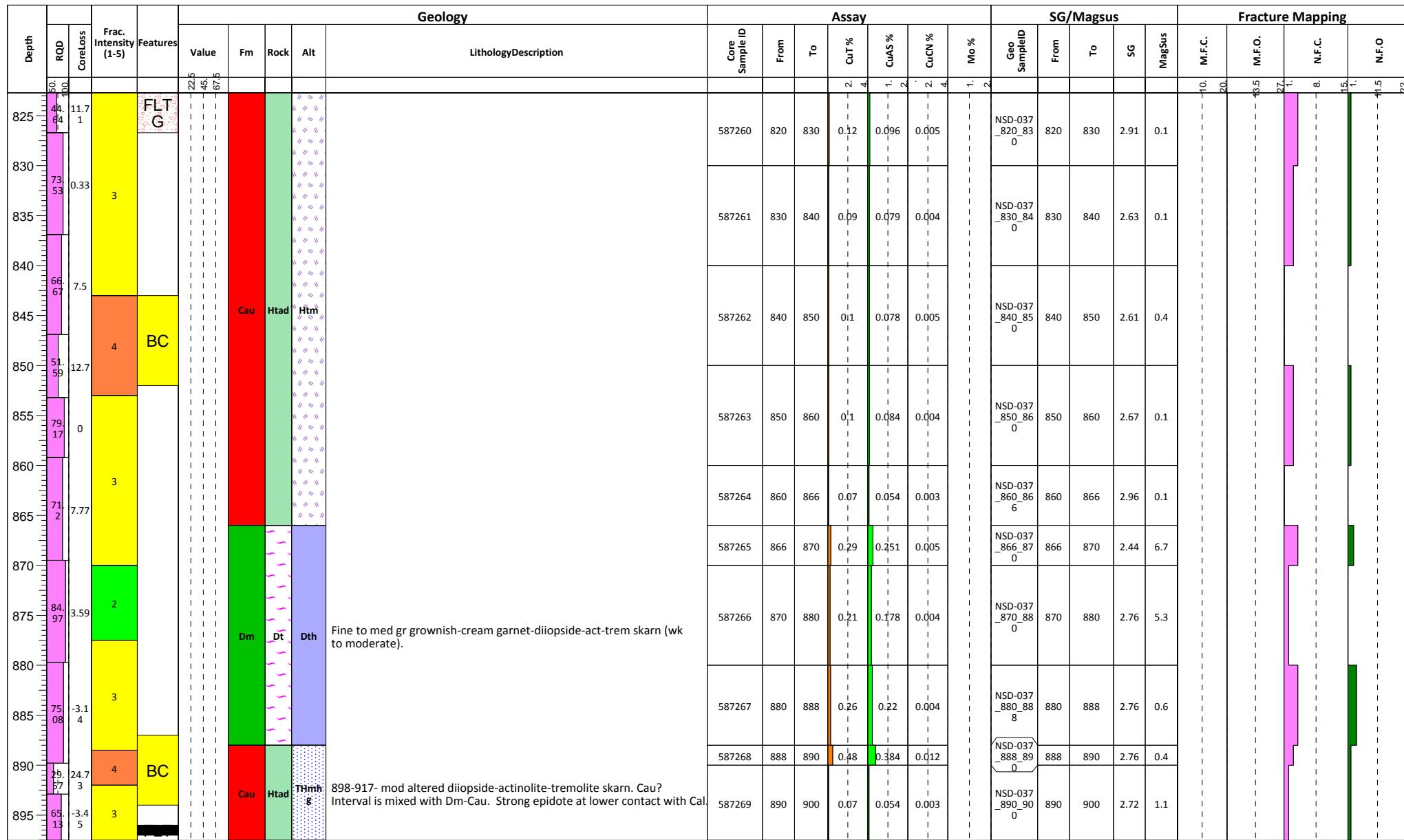
Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor: BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

12 of 18



## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor: BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

13 of 18

Depth	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Geology					Assay					SG/Magsus				Fracture Mapping							
					Value	Fm	Rock	Alt	Lithology	Description	From	To	Cu%	CuAs%	CuCN%	Mo%	Geo Sample ID	From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.	N.F.O	
900	50.0	20.0	65.13	-3.45	3						587269	890	900	0.07	0.054	0.003	1.2	NSD-037_890_900	890	900	2.72	1.1	10.20	13.527	8.15	1.22
905	56.09	0.64									587271	900	910	0.13	0.105	0.004	1.4	NSD-037_900_910	900	910	2.8	0.3				
910	57.44	2.1									587272	910	920	0.22	0.205	0.004	1.2	NSD-037_910_920	910	920	3.05	13.9				
915											587273	920	930	0.25	0.243	0.004	1.2	NSD-037_920_930	920	930	2.67	5.2				
920	62.09	2.78			3						587274	930	940	0.14	0.121	0.004	1.2	NSD-037_930_940	930	940	2.49	22.8				
925	63.09	5.09			4						587275	940	950	0.13	0.119	0.002	1.2	NSD-037_940_950	940	950	2.92	17.4				
930	67.13	2.78			BC						587276	950	960	0.05	0.041	0.003	1.2	NSD-037_950_960	950	960	2.61	0.1				
935	69.34	30.95			3						587277	960	970	0.06	0.049	0.005	1.2	NSD-037_960_970	960	970	2.94	0.1				
940	71.43	7.78			FLT G						587278	970	980	0.07	0.05	0.005	1.2	NSD-037_970_980	970	980	2.58	0.1				
945	95.0	-6.67			2																					
950	84.14	-0.32																								
955																										
960	78.28	4.88																								
965	72.53	15.12			3																					
970																										

898-917- mod altered diopside-actinolite-tremolite skarn. Cau?  
Interval is mixed with Dm-Cau. Strong epidote at lower contact with Cal.

## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

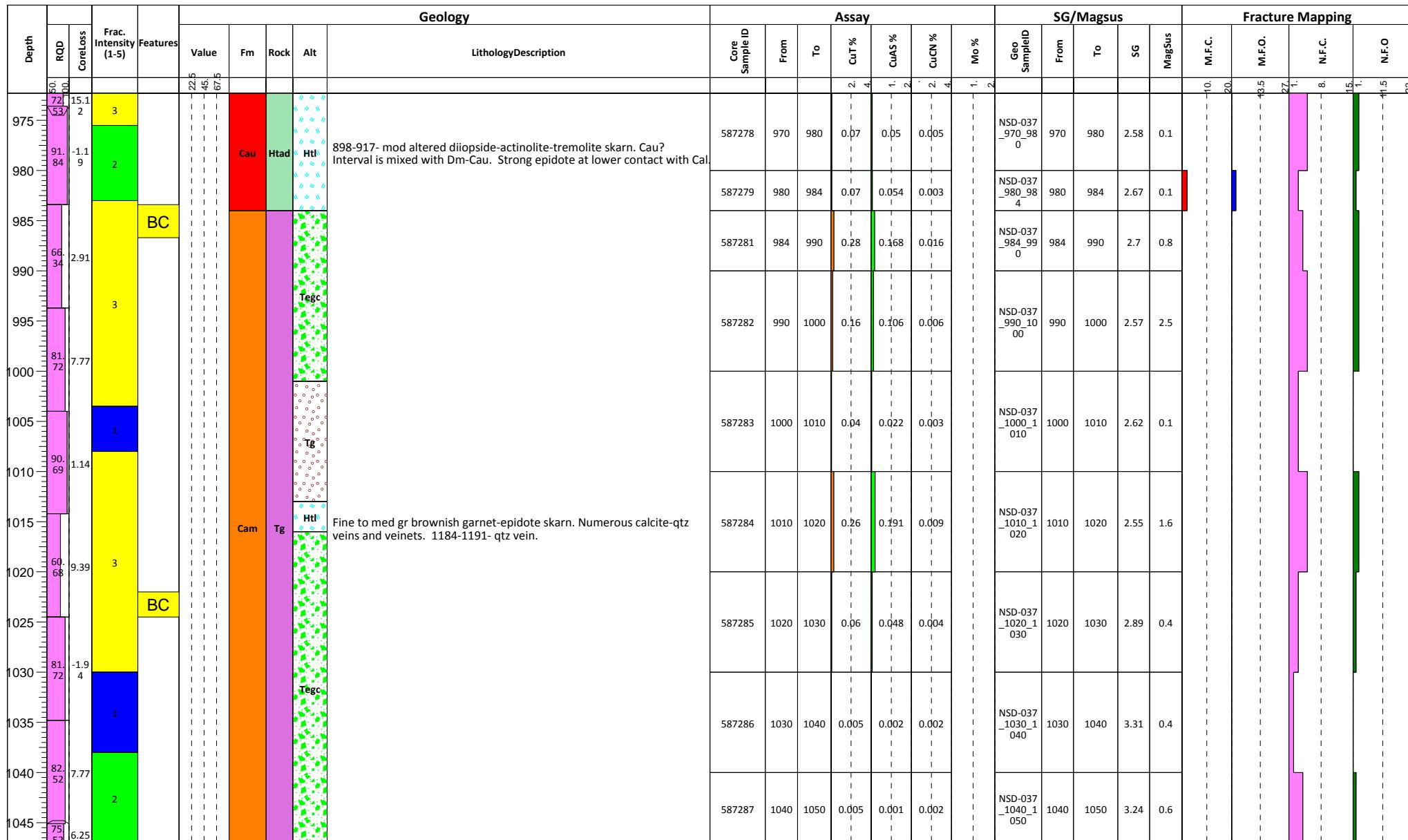
Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor: BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

14 of 18



## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

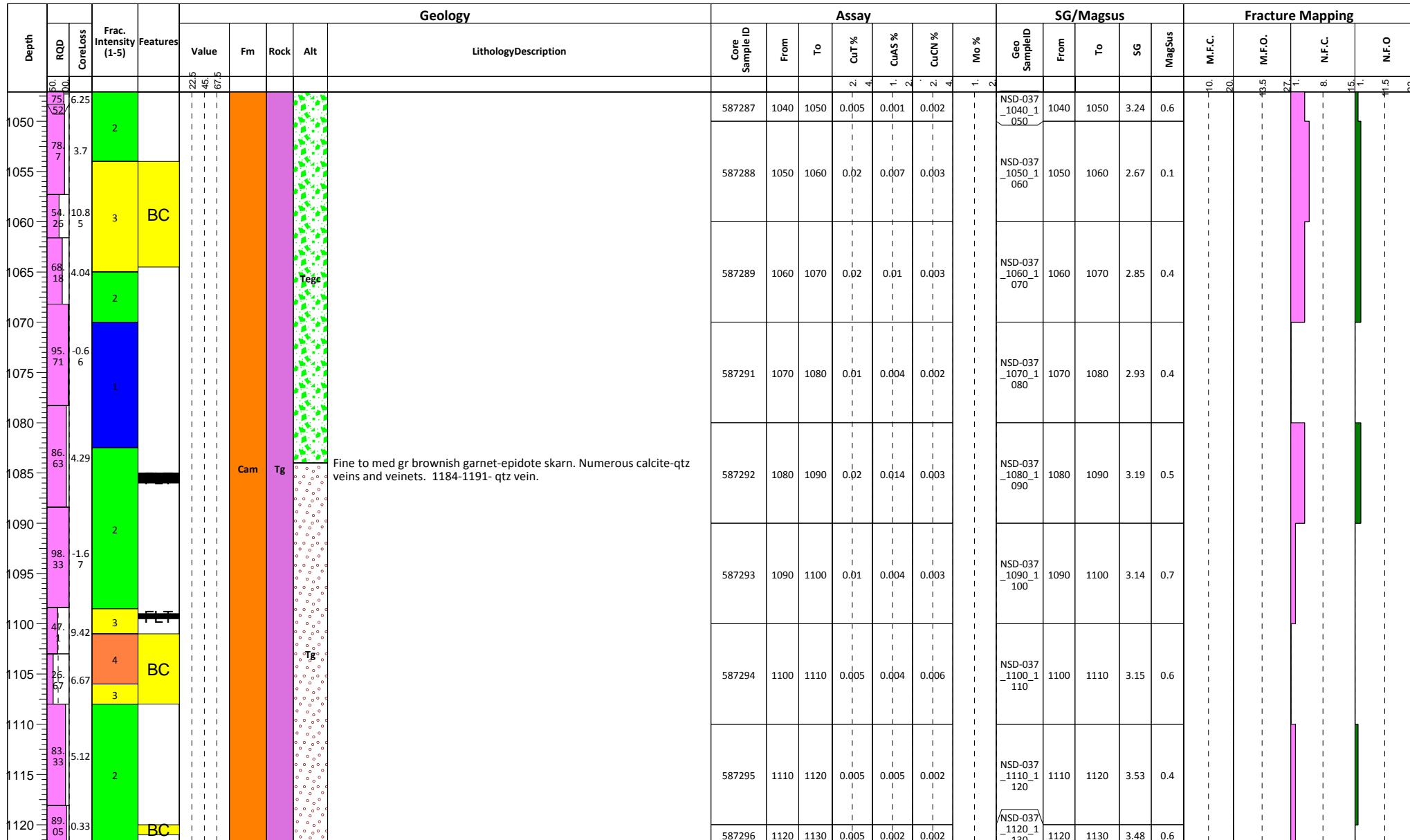
Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor: BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

15 of 18



## Drill Log: NSD-037

Easting: 538100  
Northing: 395500  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1284.4  
Azimuth: 0  
Dip: -90  
Elevation: 4785

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/20/2014  
Drill Completed: 10/27/2014  
Core Size (ft): HQ(59.2), UNKNOWN(40.8)  
Contractor: Godbe Drilling LLC  
Pre-Collar Contractor: BJ

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:  
Guillermo

Comments:

16 of 18

Depth	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Geology				LithologyDescription				Core Sample ID	From	To	Assay				Geo SampleID	From	To	SG/Magsus				M.F.C.	M.F.O.	N.F.C.	N.F.O	
					Value	Fm	Rock	Alt								2	4	1	2	4	1		SG	Magsus							
1125	89.05	0.33	2		22.5	45.5	67.5						587296	1120	1130	0.005	0.002	0.002	0.002	NSD-037_1120_130	1120	1130	3.48	0.6			10.	20.	13.5	22.	
1130	40.74	-1.85	BC										587297	1130	1140	0.02	0.009	0.002		NSD-037_1130_140	1130	1140	3.5	0.9			1.	1.	8.	1.	
1135	56.09	-5.77	3										587298	1140	1150	0.05	0.016	0.003		NSD-037_1140_150	1140	1150	3.51	0.2							
1140	55.88	-0.83	2										587299	1150	1160	0.005	0.001	0.002		NSD-037_1150_160	1150	1160	3.47	0.8							
1145	88.88	5.	5										587300	1160	1170	0.005	0.0005	0.002		NSD-037_1160_170	1160	1170	3.46	0.6							
1150	60.39	2.17	3										587301	1170	1180	0.005	0.0005	0.002		NSD-037_1170_180	1170	1180	3.27	0.6							
1155	74.26	0.99	2										587302	1180	1190	0.04	0.013	0.004		NSD-037_1180_190	1180	1190	2.66	0.4							
1160													587303	1190	1191	0.2	0.095	0.008		NSD-037_1190_191	1190	1191	2.61	0.0							
1165	91.5	3.59	2										587304	1191	1200	0.51	0.374	0.06		NSD-037_1191_200	1191	1200	2.65	0.2							
1170																															
1175	85.78	6.05	4																												
1180																															
1185	31.87	-5.88	Cal	Htge	Tegc																										
1190	102.02	-2.56																													
1195	66.06	2.44	3																												

Fine to med gr brownish garnet-epidote skarn. Numerous calcite-qtz veins and veinlets. 1184-1191- qtz vein.

1284.4-TD- Cal- Fine gr bandedmagnetite-epidote-garnet hornfels. 1-2 ft intervals of garnetite throughout locally. Garnets both brown and green.

## Drill Log: NSD-037

**Easting:** 538100  
**Northing:** 395500  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1284.4  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4785

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/20/2014  
**Drill Completed:** 10/27/2014  
**Core Size (ft):** HQ(59.2),UNKNOWN(40.8)  
**Contractor:** Godbe Drilling LLC  
**-Collar Contractor :** BJ

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**  
Guillermo

## Comments:

17 of 18

## Drill Log: NSD-037

**Easting:** 538100  
**Northing:** 395500  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1284.4  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4785

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/20/2014  
**Drill Completed:** 10/27/2014  
**Core Size (ft):** HQ(59.2),UNKNOWN(40.8)  
**Contractor:** Godbe Drilling LLC  
**-Collar Contractor :** BJ

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**  
Guillermo

## Comments

18 of 18

Monday, May 08, 2017

## Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**Pre-Collar Contractor :** NEWP

**GeoLogged By:**  
 Martin  
**GeoLogged By 2:**  
**TechLogged By:**  
 Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft.

1 of 15

Depth	Geology				Core Sample ID	Assay				Geo Sample ID	SG/Magsus				Fracture Mapping												
	RQD	Corerloss	Frac. Intensity (1-5)	Features		Value	Fm	Rock	Alt		From	To	Cu%	CuAS %	CuCN %	Mo %	SG	Magsus	From	To	M.F.C.	M.F.O.	N.F.C.	N.F.O.			
22.5	50.	100.	45.	67.5																							
25																											
27.5																											
30																											
32.5																											
35																											
37.5																											
40																											
42.5																											
45																											
47.5																											
50																											
52.5																											
55																											
57.5																											
60																											
62.5																											
65																											
67.5																											
70																											

Qam Qal un 0-200-Qal with 70% sand; 20% clay; 10% gravel. Predominately limestone/marble frags (90%) and 10% Tqm and qtz.

## Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**Pre-Collar Contractor :** NEWP

**GeoLogged By:**  
 Martin  
**GeoLogged By 2:**  
**TechLogged By:**  
 Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft.

2 of 15

Depth	Geology										Assay						SG/Magsus				Fracture Mapping					
	50. RQD	100. CoreLoss	Frac. Intensity (1-5)	Features	Value	Fm	Rock	Alt	Lithology	Description	Core SampleID	From	To	CuT %	CuAS %	CuCN %	Mo %	Geo SampleID	From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.	N.F.O
22.5	45.5	67.5							Qam	Qal	un															
80																										
85																										
90																										
95																										
100																										
105																										
110																										
115																										
120																										
125																										
130																										
135																										
140																										
145																										

0-200-Qal with 70% sand; 20% clay; 10% gravel. Predominately limestone/marble frags (90%) and 10% Tqm and qtz.

## Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**

TechLogged By:  
Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft.

3 of 15

## Drill Log: NSH-009

**Easting:** 537651.191      **Length:** 1060  
**Northing:** 395519.311      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**

**TechLogged By:**  
Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft.

4 of 15

## Drill Log: NSH-009

Easting: 537651.191  
Northing: 395519.311  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1060  
Azimuth: 0  
Dip: -90  
Elevation: 4754.318

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/29/2014  
Drill Completed: 11/3/2014  
Core Size (ft): UNKNOWN(100)  
Contractor: National EWP, Inc  
Pre-Collar Contractor: NEWP

GeoLogged By:  
Martin  
GeoLogged By 2:  
TechLogged By:  
Martin

Comments: Originally stated TD was 1060 ft; but tagged later at 995 ft.

5 of 15

Depth	Geology										Assay						SG/Magsus				Fracture Mapping						
	50. Ft.	100. Ft.	RQD	CoreLoss	Frac. Intensity (1-5)	Features	Value	Fm	Rock	Alt	Lithology	Description	Core SampleID	From	To	Cu%	CuAS %	CuCN %	Mo %	Geo SampleID	From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.
300							22.5	45.	67.5		Qag	Qal	un														
305																											
310																											
315																											
320																											
325																											
330																											
335																											
340																											
345																											
350																											
355																											
360																											
365																											
370																											

200-445- Qal with 75% sand; 15% clay; 10% gravel. Predominately Tqm and qtz.

## Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc.  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**

**TechLogged By:**  
Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft

6 of 15

## Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc.  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**

**TechLogged By:**  
Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft

7 of 15

Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**

**TechLogged By:**  
Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft.

8 of 15

## Drill Log: NSH-009

Easting: 537651.191  
Northing: 395519.311  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1060  
Azimuth: 0  
Dip: -90  
Elevation: 4754.318

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/29/2014  
Drill Completed: 11/3/2014  
Core Size (ft): UNKNOWN(100)  
Contractor: National EWP, Inc  
Pre-Collar Contractor: NEWP

GeoLogged By:  
Martin  
GeoLogged By 2:  
TechLogged By:  
Martin

Comments: Originally stated TD was 1060 ft; but tagged later at 995 ft.

9 of 15

Depth	Frac. Intensity (1-5)	Features	Geology				LithologyDescription	Core Sample ID	Assay				SG/Magsus			Fracture Mapping					
			Value	Fm	Rock	Alt			From	To	Cu%	CuAs%	CuCN%	Mo%	Geo SampleID	From	To	SG	Magsus	M.F.C.	M.F.O.
50.	RQD	CoreLoss	22.5	45.5	67.5															10.	20.
600								1314111	590	600	0.06	0.042	0.0005						13.5	22.	
605								1314112	600	610	0.03	0.027	0.0005								
610								1314113	610	620	0.08	0.06	0.002								
615								1314114	620	630	0.19	0.15	0.006								
620								1314115	630	640	0.25	0.185	0.004								
625								1314116	640	650	0.17	0.125	0.001								
630								1314117	650	660	0.09	0.067	0.0005								
635								1314118	660	670	0.05	0.041	0.0005								
640								1314119	670	680	0.04	0.03	0.0005								
645																					
650																					
655																					
660																					
665																					
670																					

Dm DT Tlg  
Fine gr creamy white to brownish-green Mix dolomite/limestone and garnet-diopside-trem-actinolite-magnetite skarn. Chrys 510-520. Strong chrys 630-650. Numerous calcite-qtz fragments. Strong oxidation 550-570.

Cau T Tdat  
Fine gr light greenish to brown-creamy diopside-trem-actinolite-garnet-chlorite-mag skarn. Moderate to strong alteration. Chrys 740-750. MnO from 650-680.

## Drill Log: NSH-009

Easting: 537651.191  
Northing: 395519.311  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1060  
Azimuth: 0  
Dip: -90  
Elevation: 4754.318

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/29/2014  
Drill Completed: 11/3/2014  
Core Size (ft): UNKNOWN(100)  
Contractor: National EWP, Inc  
Pre-Collar Contractor: NEWP

GeoLogged By:  
Martin  
GeoLogged By 2:  
TechLogged By:  
Martin

Comments: Originally stated TD was 1060 ft; but tagged later at 995 ft.

10 of 15

Depth			Geology					Assay						SG/Magsus			Fracture Mapping							
	Frac. Intensity (1-5)	Features	Value	Fm	Rock	Alt	Lithology	Description	Core Sample ID	From	To	Cu%	CuAS %	CuCN %	Mo %	Geo SampleID	From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.	N.F.O
	RQD	CoreLoss																						
675									1314119	670	680	0.04	0.03	0.0005										
680									1314121	680	690	0.15	0.113	0.0005										
685									1314122	690	700	0.13	0.099	0.002										
690									1314123	700	710	0.09	0.076	0.0005										
695									1314124	710	720	0.15	0.122	0.001										
700									1314125	720	730	0.09	0.067	0.004										
705									1314126	730	740	0.21	0.178	0.001										
710									1314127	740	750	0.2	0.156	0.002										
715																								
720																								
725																								
730																								
735																								
740																								
745																								

Cau - T. Tdat.  
Fine gr light greenish to brown-creamy diopside-trem-actinolite-garnet-chlorite-mag skarn. Moderate to strong alteration. Chrys 740-750. MnO from 650-680.

Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
  
**TechLogged By:**  
Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft.

11 of 15

Monday, May 08, 2017

## Drill Log: NSH-009

Easting: 537651.191  
Northing: 395519.311  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1060  
Azimuth: 0  
Dip: -90  
Elevation: 4754.318

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 10/29/2014  
Drill Completed: 11/3/2014  
Core Size (ft): UNKNOWN(100)  
Contractor: National EWP, Inc  
Pre-Collar Contractor: NEWP

GeoLogged By:  
Martin  
GeoLogged By 2:  
TechLogged By:  
Martin

Comments: Originally stated TD was 1060 ft; but tagged later at 995 ft.

12 of 15

Depth	Frac. Intensity (1-5)	Geology				LithologyDescription	Core Sample ID	Assay				Geo SampleID	SG/Magsus				Fracture Mapping			
		Value	Fm	Rock	Alt			From	To	Cu%	CuAs %		From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.	N.F.O.
50.	RQD	100	CoreLoss																	
825	2	22.5	45.5	67.5																
830																				
835																				
840																				
845																				
850																				
855																				
860																				
865																				
870																				
875	1	22.5	45.5	67.5																
880																				
885																				
890																				
895																				

Fine to med gr grown garnet-diopside-epidote-act skarn. 90% garnet-calcite-qtz frags.

## Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

GeoLogged By:  
Martin

TechLogged By:  
Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft.

13 of 15

## Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**

TechLogged By:  
Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft.

14 of 15

## Drill Log: NSH-009

**Easting:** 537651.191  
**Northing:** 395519.311  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1060  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4754.318

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 10/29/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
  
**TechLogged By:**  
Martin

**Comments:** Originally stated TD was 1060 ft; but tagged later at 995 ft.

15 of 15

## Drill Log: NSH-010

**Easting:** 537800.757      **Length:** 720  
**Northing:** 395448.292      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4750.368

**Project:** Gunnison                    **Drill Started:** 10/31/2014  
**Location:** North Star                **Drill Completed:** 11/3/2014  
**Claim Owner:** CJ                      **Core Size (ft):** UNKNOWN(100)  
    **Contractor:** National EWP, Inc  
**Pre-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**

**Comments:** 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

1 of 10

## Drill Log: NSH-010

**Easting:** 537800.757      **Length:** 720  
**Northing:** 395448.292      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4750.368

<b>Project:</b> Gunnison	<b>Drill Started:</b> 10/31/2014
<b>Location:</b> North Star	<b>Drill Completed:</b> 11/3/2014
<b>Claim Owner:</b> CJ	<b>Core Size (ft):</b> UNKNOWN(100)
	<b>Contractor:</b> National EWP, Inc
	<b>Pre-Collar Contractor :</b> NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**

**Comments:** 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

2 of 10

## Drill Log: NSH-010

**Easting:** 537800.757      **Length:** 720  
**Northing:** 395448.292      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4750.368

**Project:** Gunnison  
**Location:** North Sta  
**Claim Owner:** CJ

**Drill Started:** 10/31/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**

**Comments:** 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

3 of 10

## Drill Log: NSH-010

**Easting:** 537800.757      **Length:** 720  
**Northing:** 395448.292      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4750.368

**Project:** Gunnison                    **Drill Started:** 10/31/2014  
**Location:** North Star                **Drill Completed:** 11/3/2014  
**Claim Owner:** CJ                      **Core Size (ft):** UNKNOWN(100)  
    **Contractor:** National EWP, Inc.  
**Pre-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**

**Comments:** 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

4 of 10

## Drill Log: NSH-010

**Easting:** 537800.757      **Length:** 720  
**Northing:** 395448.292      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4750.368

**Project:** Gunnison                    **Drill Started:** 10/31/2014  
**Location:** North Star                **Drill Completed:** 11/3/2014  
**Claim Owner:** CJ                      **Core Size (ft):** UNKNOWN(100)  
    **Contractor:** National EWP, Inc  
**Pre-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**

**Comments:** 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

5 of 10

## Drill Log: NSH-010

**Easting:** 537800.757      **Length:** 720  
**Northing:** 395448.292      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4750.368

**Project:** Gunnison                    **Drill Started:** 10/31/2014  
**Location:** North Star                **Drill Completed:** 11/3/2014  
**Claim Owner:** CJ                      **Core Size (ft):** UNKNOWN(100)  
    **Contractor:** National EWP, Inc  
**Pre-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**

**Comments:** 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

6 of 10

## Drill Log: NSH-010

**Easting:** 537800.757      **Length:** 720  
**Northing:** 395448.292      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4750.368

**Project:** Gunnison  
**Location:** North Sta  
**Claim Owner:** CJ

**Drill Started:** 10/31/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**

**Comments:** 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

7 of 10

## Drill Log: NSH-010

Easting: 537800.757  
Northing: 395448.292  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 720  
Azimuth: 0  
Dip: -90  
Elevation: 4750.368

Project: Gunnison  
Location: North Star  
Claim Owner: CJ

Drill Started: 10/31/2014  
Drill Completed: 11/3/2014  
Core Size (ft): UNKNOWN(100)  
Contractor: National EWP, Inc  
Pre-Collar Contractor: NEWP

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:

Comments: 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

8 of 10

Depth	Geology				LithologyDescription	Core Sample ID	Assay				SG/Magsus		Fracture Mapping									
	Frac. Intensity (1-5)	Features	Value	RQD			From	To	Cu%	CuAs%	CuCN%	Mo%	Geo SampleID	From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.	N.F.O.	
50.			22.5	45.																		
100.			45.	67.5																		
525					<b>Me</b>								1314165	520	530	0.005	0.0005	0.0005	10.	13.5	15.	22.
530					<b>M</b>								1314166	530	540	0.005	0.003	0.0005				
535					<b>Hm</b>								1314167	540	550	0.02	0.012	0.0005				
540													1314168	550	560	0.01	0.012	0.0005				
545													1314169	560	570	0.01	0.011	0.0005				
550													1314171	570	580	0.01	0.01	0.0005				
555													1314172	580	590	0.005	0.0005	0.0005				
560					<b>Dm</b>	<b>Mtd</b>							1314173	590	600	0.05	0.038	0.0005				
565						<b>c</b>																
570						<b>Tmlg</b>																
575																						
580																						
585																						
590					<b>Dm</b>	<b>Tg</b>	<b>Ts</b>															
595																						

Fine gr creamy-white marble. Garnetite at bottom contact. Relogged by JJB 5-6-2015

Dm-? Fine gr creamy-white marble mix with trem-garnet-magnetite skarn

Med to fine gr brownish garnet-epidote-diopside-trem skarn. Relogged by JJB

Drill Log: NSH-010

**Easting:** 537800.757  
**Northing:** 395448.292  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 720  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4750.368

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** CJ

**Drill Started:** 10/31/2014  
**Drill Completed:** 11/3/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
Martin  
**GeoLogged By 2:**  
jbickel  
**TechLogged By:**

**Comments:** 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

9 of 10

## Drill Log: NSH-010

Easting: 537800.757  
Northing: 395448.292  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 720  
Azimuth: 0  
Dip: -90  
Elevation: 4750.368

Project: Gunnison  
Location: North Star  
Claim Owner: CJ

Drill Started: 10/31/2014  
Drill Completed: 11/3/2014  
Core Size (ft): UNKNOWN(100)  
Contractor: National EWP, Inc  
Pre-Collar Contractor: NEWP

GeoLogged By:  
Martin  
GeoLogged By 2:  
jbickel  
TechLogged By:

Comments: 12 inch borehole to 490 ft followed by a 7.5 inch borehole to 720 ft.

10 of 10

Depth	Geology				LithologyDescription	Core Sample ID	Assay				Geo SampleID	SG/Magsus				Fracture Mapping			
	Frac. Intensity (1-5)	Features	Value	RQD			From	To	Cu%	CuAS %		From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.	N.F.O.
			50.	100.	CoreLoss														
675			22.5	45.	67.5	Dm	670	680	0.2	0.156	1314182	670	680	0.009	-	-	-	-	
680						Tda	680	690	0.3	0.236	1314183	680	690	0.005	-	-	-	-	
685						Tdam	690	700	0.2	0.154	1314184	690	700	0.001	-	-	-	-	
690							700	710	0.29	0.21	1314185	700	710	0.023	-	-	-	-	
695											1314186	710	720	0.005	-	-	-	-	
700																			
705																			
710																			
715																			
720																			
725																			
730																			
735																			
740																			
745																			

Fine gr light greenish-grey diopside-actinolite-trem-mag-garnet skarn with pink MnO. Abundant chrys 620-710.. TD-720. From 670-TD becomes more magnetite bearing normal Martin. Relogged by JJB

## Drill Log: NSH-012

**Easting:** 537951.517      **Length:** 504  
**Northing:** 395496.694      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4749.669

**Project:** Gunnison                    **Drill Started:** 10/3/2014  
**Location:** North Star                **Drill Completed:** 11/10/2014  
**Claim Owner:** CJ                      **Core Size (ft):** UNKNOWN(100)  
    **Contractor:** National EWP, Inc  
**Pre-Collar Contractor :** BJ

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

## Comments:

1 of 7

## Drill Log: NSH-012

**Easting:** 537951.517      **Length:** 504  
**Northing:** 395496.694      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4749.669

**Project:** Gunnison                    **Drill Started:** 10/3/2014  
**Location:** North Star                **Drill Completed:** 11/10/2014  
**Claim Owner:** CJ                      **Core Size (ft):** UNKNOWN(100)  
    **Contractor:** National EWP, Inc  
**Pre-Collar Contractor :** BJ

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

## Comments:

2 of 7

## Drill Log: NSH-012

**Easting:** 537951.517  
**Northing:** 395496.694  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 504  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4749.669

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** CJ

**Drill Started:** 10/3/2014  
**Drill Completed:** 11/10/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** BJ

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

TechLogged By:

## Comments:

3 of 7

## Drill Log: NSH-012

**Easting:** 537951.517  
**Northing:** 395496.694  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 504  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4749.669

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** CJ

**Drill Started:** 10/3/2014  
**Drill Completed:** 11/10/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** BJ

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

TechLogged By:

## Comments:

4 of 7

## Drill Log: NSH-012

**Easting:** 537951.517  
**Northing:** 395496.694  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 504  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4749.669

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** CJ

**Drill Started:** 10/3/2014  
**Drill Completed:** 11/10/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** BJ

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

TechLogged By:

5 of 7

## Comments:

## Drill Log: NSH-012

**Easting:** 537951.517      **Length:** 504  
**Northing:** 395496.694      **Azimuth:** 0  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90  
**Survey Method:** PLAN      **Elevation:** 4749.669

**Project:** Gunnison                    **Drill Started:** 10/3/2014  
**Location:** North Star                **Drill Completed:** 11/10/2014  
**Claim Owner:** CJ                      **Core Size (ft):** UNKNOWN(100)  
    **Contractor:** National EWP, Inc  
**Pre-Collar Contractor :** BJ

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

## Comments

6 of 7

## Drill Log: NSH-012

**Easting:** 537951.517  
**Northing:** 395496.694  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 504  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4749.669

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** CJ

**Drill Started:** 10/3/2014  
**Drill Completed:** 11/10/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** BJ

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

TechLogged By:

## Comments

7 of 7

## Drill Log: NSH-014B

**Easting:** 537863.293  
**Nothing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc.  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**  
**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

1 of 18

Drill Log: NSH-014B

**Easting:** 537863.293  
**Northing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

2 of 18

Drill Log: NSH-014B

**Easting:** 537863.293      **Length:** 1277      **Project:** Gunnison  
**Northing:** 395535.279      **Azimuth:** 0      **Location:** North Star  
**Datum/Zone:** AZSP\_EZ\_NAD27      **Dip:** -90      **Claim Owner:** Connie Johnson  
**Survey Method:** PLAN      **Elevation:** 4748.629

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**  
**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

3 of 18

Drill Log: NSH-014B

**Easting:** 537863.293  
**Northing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

TechLogged By:  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

4 of 18

Drill Log: NSH-014B

**Easting:** 537863.293  
**Nothing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

5 of 18

Drill Log: NSH-014B

**Easting:** 537863.293  
**Nothing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**  
**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

6 of 18

Drill Log: NSH-014B

**Easting:** 537863.293  
**Nothing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**  
**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

7 of 18

## Drill Log: NSH-014B

**Easting:** 537863.293  
**Nothing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

8 of 18

## Drill Log: NSH-014B

Easting: 537863.293  
Northing: 395535.279  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1277  
Azimuth: 0  
Dip: -90  
Elevation: 4748.629

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 11/11/2014  
Drill Completed: 11/22/2014  
Core Size (ft): UNKNOWN(100)  
Contractor: National EWP, Inc  
Pre-Collar Contractor: NEWP

GeoLogged By:  
jbickel  
GeoLogged By 2:  
TechLogged By:  
Guillermo

Comments: NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

9 of 18

Depth			Geology						Assay						SG/Magsus			Fracture Mapping						
	Frac. Intensity (1-5)	Features	Value	Fm	Rock	Alt	Lithology	Description	Core Sample ID	From	To	Cu%	CuAS %	CuCN %	Mo %	Geo SampleID	From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.	N.F.O
	RQD	CoreLoss																						
600									1314244	590	600	0.02	0.009	0.0005										
605									1314245	600	610	0.02	0.018	0.0005										
610									1314246	610	620	0.06	0.039	0.0005										
615									1314247	620	630	0.04	0.032	0.0005										
620									1314248	630	640	0.39	0.315	0.002										
625									1314249	640	650	0.88	0.304	0.002										
630									1314251	650	660	0.18	0.142	0.0005										
635									1314252	660	670	0.15	0.114	0.0005										
640									1314253	670	680	0.08	0.06	0.0005										
645																								
650																								
655																								
660																								
665																								
670																								

Brown-gray dolomite mixed with magnetite bearing tactite. 650-680' looks somewhat like Cau, but still contains magnatite (Dm signature).

Dm  
D

Drill Log: NSH-014B

**Easting:** 537863.293  
**Northing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

10 of 18

Drill Log: NSH-014B

**Easting:** 537863.293  
**Northing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**  
**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

11 of 18

# Drill Log: NSH-014B

**Easting:** 537863.293  
**Northing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**  
**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

12 of 18

Tuesday, May 12, 2015

**Drill Log: NSH-014B**

**Easting:** 537863.293  
**Northing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**Pre-Collar Contractor :** NEWP

**GeoLogged By:**  
 jbickel  
**GeoLogged By 2:**  
**TechLogged By:**  
 Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

13 of 18

Depth	Frac. Intensity (1-5)	Features	Geology					Core Sample ID	Assay					Geo SampleID	SG/Magsus			Fracture Mapping			
			Value	Fm	Rock	Alt	Lithology		From	To	Cu%	CuAS %	CuCN %		From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.
900			22.5	45.5	67.5			1314276	890	900	0.19	0.159	0.002					-	-	-	-
905								1314277	900	910	0.16	0.118	0.0005								
910								1314278	910	920	0.14	0.093	0.003								
915								1314279	920	930	0.13	0.084	0.002								
920								1314281	930	940	0.04	0.029	0.0005								
925								1314282	940	950	0.07	0.055	0.0005								
930								1314283	950	960	0.01	0.009	0.0005								
935								1314284	960	970	0.02	0.013	0.0005								
940								1314285	970	980	0.05	0.005	0.0005								
945																					
950																					
955																					
960																					
965																					
970																					

Cam Tge Brown-green garnetite mixed with garnet-epidote tactite.

## Drill Log: NSH-014B

Easting: 537863.293  
Northing: 395535.279  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1277  
Azimuth: 0  
Dip: -90  
Elevation: 4748.629

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 11/11/2014  
Drill Completed: 11/22/2014  
Core Size (ft): UNKNOWN(100)  
Contractor: National EWP, Inc  
Pre-Collar Contractor: NEWP

GeoLogged By:  
jbickel  
GeoLogged By 2:  
TechLogged By:  
Guillermo

Comments: NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

14 of 18

Depth			Geology						Assay						SG/Magsus			Fracture Mapping							
	50. RQD	100. CoreLoss	Frac. Intensity (1-5)	Features	Value	Fm	Rock	Alt	Lithology	Description	Core Sample ID	From	To	Cu% 2.	CuAS % 4.	CuCN % 1.	Mo % 2.	Geo SampleID	From	To	SG	Magsus	M.F.C. 10.	M.F.O. 20.	N.F.C. 1.
975					22.5	45.5	67.5		Cam	Tge	1314285	970	980	0.005	0.0005	0.0005									
980											1314286	980	990	0.005	0.004	0.0005									
985											1314287	990	1000	0.005	0.0005	0.0005									
990											1314288	1000	1010	0.005	0.005	0.0005									
995											1314289	1010	1020	0.005	0.002	0.0005									
1000											1314291	1020	1030	0.005	0.001	0.0005									
1005											1314292	1030	1040	0.005	0.003	0.0005									
1010											1314293	1040	1050	0.005	0.004	0.0005									
1015																									
1020																									
1025																									
1030																									
1035																									
1040									Cal	Htge															
1045																									

Brown-green garnetite mixed with garnet-epidote tactite.

Black-green hornfels mixed with garnet-epidote and diopside tactite. Regular quartz veining throughout.

Drill Log: NSH-014B

**Easting:** 537863.293  
**Northing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**

**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

15 of 18

## Drill Log: NSH-014B

Easting: 537863.293  
Northing: 395535.279  
Datum/Zone: AZSP\_EZ\_NAD27  
Survey Method: PLAN

Length: 1277  
Azimuth: 0  
Dip: -90  
Elevation: 4748.629

Project: Gunnison  
Location: North Star  
Claim Owner: Connie Johnson

Drill Started: 11/11/2014  
Drill Completed: 11/22/2014  
Core Size (ft): UNKNOWN(100)  
Contractor: National EWP, Inc  
Pre-Collar Contractor: NEWP

GeoLogged By:  
jbickel  
GeoLogged By 2:  
TechLogged By:  
Guillermo

Comments: NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

16 of 18

Depth			Geology						Assay						SG/Magsus			Fracture Mapping								
	50. Ft.	100. RQD	Frac. Intensity (1-5)	Features	Value	Fm	Rock	Alt	Lithology	Description	Core Sample ID	From	To	Cu%	CuAs %	CuCN %	Mo %	Geo SampleID	From	To	SG	Magsus	M.F.C.	M.F.O.	N.F.C.	N.F.O
1125					22.5	45.5	67.5				1314302	1120	1130	0.02	0.003	0.005							-10.	-20.	-13.5	-22.
1130											1314303	1130	1140	0.02	0.004	0.006										
1135											1314304	1140	1150	0.03	0.006	0.006										
1140											1314305	1150	1160	0.06	0.015	0.004										
1145											1314306	1160	1170	0.06	0.022	0.018										
1150											1314307	1170	1180	0.08	0.027	0.034										
1155											1314308	1180	1190	0.04	0.01	0.012										
1160											1314309	1190	1200	0.01	0.004	0.003										
1165																										
1170																										
1175																										
1180																										
1185																										
1190																										
1195																										

Cal

Htge

Black-green hornfels mixed with garnet-epidote and diopside tactite. Regular quartz veining throughout.

Drill Log: NSH-014B

**Easting:** 537863.293  
**Northing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**-Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**  
**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

17 of 18

## Drill Log: NSH-014B

**Easting:** 537863.293  
**Northing:** 395535.279  
**Datum/Zone:** AZSP\_EZ\_NAD27  
**Survey Method:** PLAN

**Length:** 1277  
**Azimuth:** 0  
**Dip:** -90  
**Elevation:** 4748.629

**Project:** Gunnison  
**Location:** North Star  
**Claim Owner:** Connie Johnson

**Drill Started:** 11/11/2014  
**Drill Completed:** 11/22/2014  
**Core Size (ft):** UNKNOWN(100)  
**Contractor:** National EWP, Inc  
**Collar Contractor :** NEWP

**GeoLogged By:**  
jbickel  
**GeoLogged By 2:**  
**TechLogged By:**  
Guillermo

**Comments:** NSH-014 was abandoned and NSH-014B was drilled instead. 10 inch diameter borehole.

18 of 18